

**Listing of Claims:**

1. (Original ) A method (40) for determining the behavior patterns of the users of a telecommunication system on the basis of information collected from the system, characterized in that

at least one variable or a combination of variables (41) of the telecommunication system is defined,

user-specific information (43) corresponding to the defined at least one variable or a combination of variables is filtered from the information collected from the telecommunication system, and

the users of the telecommunication system are classified on the basis of the filtered user-specific information (45).

2. (Original) A method (40) according to Claim 1, characterized in that said user-specific information is filtered from the telecommunication system in real time.

3. (Original) A method (40) according to Claim 1, characterized in that after said filtering (43) of information the filtered information is saved (44) for later analysis.

4. (Original) A method (40) according to Claim 1, characterized in that after the classification (45), statistical analysis (46) is carried out on the classified information.

5. (Original) A method (40) according to Claim 4, characterized in that parameters essential for the quality of service of the telecommunication system are regulated on the basis of said statistical analysis (46).

6. (Original) A method (40) according to Claim 4, characterized in that on the basis of said statistical analysis, conclusions (47) are drawn about the behaviour of a certain group of users in a telecommunication system.

7. (Original) A method (40) according to Claim 1, characterized in that the classes of behaviour patterns used in the classification of users are defined in connection with the definition

of variables (41).

8. (Original) A method (40) according to Claim 1, characterized in that the definitions of the classes of behaviour patterns used in the classification of users are changed (48).

9. (Original) A method (40) according to Claim 8, characterized in that said filtered unclassified information is classified into said new classes of behaviour patterns (49).

10. (Original) A method (40) according to Claim 1, characterized in that at least one of the variables is the type of contact of the user.

11. (Original) A method (40) according to Claim 1, characterized in that at least one of the variables is the type of system service.

12. (Original) A method (40) according to Claim 1, characterized in that said telecommunication system is a mobile communication system (10).

13. (Original) A system (50) for determining the users' patterns of behaviour in a telecommunication system, characterized in that said system (50) comprises at least means (51) for defining at least one variable or a combination of variables of the telecommunication system,

filtering means (53) for filtering said user-specific information corresponding to at least one variable or a combination of variables from the information received from the telecommunication system, and

classifying means (55) for classifying the users of the telecommunication system on the basis of said filtered user-specific information.

14. (Original) A system (50) according to Claim 13, characterized in that the system is designed to process the information received from the telecommunication system in real time.

15. (Original) A system (50) according to Claim 13, characterized in that the system has a memory (51) for saving said filtered user-specific information.

16. (Original) A system (50) according to Claim 13, characterized in that the system has analysis means (56) for statistical analysis of the classification of the behaviour patterns of users received from the classifying means (55) and/or for defining new classes of behaviour patterns.

17. (Original) A system (50) according to Claim 13, characterized in that the system (50) quality of service of the telecommunication system on the basis of the information received from the analysis means (56).

18. (Original) A system (50) according to Claim 13, characterized in that said telecommunication system is a mobile communication system (10).